

CLAIMS:

Please cancel claims 1-6.

7. (Currently amended) A method of detecting and identifying an microarray of markers indicative of disease stage, said method comprising the steps of:

differentially biopanning sera obtained from a normal individual and patients with the disease against phage display libraries expressing cDNA of genes expressed by diseased cells to obtain epitope-bearing clones displaying reactivity to antibodies present in sera of patients with disease but not in sera of normal individuals to array for analysis; and

identifying the epitope bearing clones that are specific to the disease stage by classifying the all epitope bearing clones ~~based upon~~ having reactivity with serum antibodies to determine the markers to be included in the microarray based upon antibody reactivity values of the clones, thereby detecting an array of markers of disease.

8. (Currently amended) The method according to claim 7, wherein said ~~analyzing~~ identifying step includes using a computer to automatically identify the epitope bearing clones that are present only in the disease stage.

Please cancel claims 9-19.